

# MEPNN Supplier Scouting Opportunity Synopsis

Item Information	
Scouting Number	2023-107
Item to be Scouted	Solvent Evaporator
Days to be scouted	30
Description	<p>Solvent Evaporator unit that has the following salient characteristics</p> <ul style="list-style-type: none"> <li>--solvent evaporator similar to Turbovap</li> <li>o Solvent evaporation using gas vortex shearing technology</li> <li>o Can be used to evaporate tube sizes ranging from 10-32 mm o.d. and 32-165 mm in length</li> <li>o Flexible rack system for holding evaporation tubes</li> <li>o Flexible and adjustable configurations for changing needs</li> <li>o Visible water bath level and samples while in operation</li> <li>o Evaporation complete indicator</li> <li>o Removable and adjustable nozzles for cleaning and replacement</li> <li>o Adjustable gas flow capabilities</li> <li>o Water bath drain port</li> <li>o Water bath range: ambient to minimum 75°C</li> <li>o Adaptable to common consumable tubes and vials</li> <li>o PFAS analysis compliant</li> <li>--Sample Holder</li> <li>o Rack for use with solvent evaporator (similar to the TurboVap® LV (product code 415000))</li> <li>o Holds 24 tubes, 21-32 mm o.d. in varying lengths</li> <li>o PFAS analysis compliant</li> <li>--Sample Tubes</li> <li>o Rack for use with solvent evaporator (similar to the TurboVap® LV (product code 415000))</li> <li>o Holds 48 tubes, 10-20 mm o.d. in varying lengths</li> <li>o PFAS analysis compliant</li> </ul>
State item to be used in	Oregon

Contact Information	
Email	
First Name	
Last Name	
Department / Company / MEP Center	Environmental Protection Agency, U.S.
Bureau / Division / MEP Center Regional Office	

Supplier Information	
Type of supplier being sought	Manufacturer
Reason	Other
Details	Buy America (Laboratory Startup)

## Summary of technical specifications and performance requirements

Describe the manufacturing processes (elaborate to provide as much detail as possible)	Electronic and mechanical assembly. The EPA Region 9 laboratory provide a wide range of analytical capability to superfund, office of water, enforcement and other organizations. Clean water is at the heart of every analytical procedure we do. Our lab has begun PFAS analysis and requires this equipment for method 1633 and 533.
Provide dimensions / size / tolerances / performance specifications for the item	<p>16" x 16" x 16" or less with the following specifications</p> <ul style="list-style-type: none"> <li>--solvent evaporator similar to Turbovap <ul style="list-style-type: none"> <li>o Solvent evaporation using gas vortex shearing technology</li> <li>o Can be used to evaporate tube sizes ranging from 10-32 mm o.d. and 32-165 mm in length</li> <li>o Flexible rack system for holding evaporation tubes</li> <li>o Flexible and adjustable configurations for changing needs</li> <li>o Visible water bath level and samples while in operation</li> <li>o Evaporation complete indicator</li> <li>o Removable and adjustable nozzles for cleaning and replacement</li> <li>o Adjustable gas flow capabilities</li> <li>o Water bath drain port</li> <li>o Water bath range: ambient to minimum 75°C</li> <li>o Adaptable to common consumable tubes and vials</li> <li>o PFAS analysis compliant</li> </ul> </li> <li>--Sample Holder <ul style="list-style-type: none"> <li>o Rack for use with solvent evaporator (similar to the TurboVap® LV (product code 415000))</li> <li>o Holds 24 tubes, 21-32 mm o.d. in varying lengths</li> <li>o PFAS analysis compliant</li> </ul> </li> <li>--Sample Tubes <ul style="list-style-type: none"> <li>o Rack for use with solvent evaporator (similar to the TurboVap® LV (product code 415000))</li> <li>o Holds 48 tubes, 10-20 mm o.d. in varying lengths</li> <li>o PFAS analysis compliant</li> </ul> </li> </ul>
List required materials needed to make the product, including materials of product components	Steel, glass, electronics, gas supply, solvent lines (PEEK plastic used)
Are there applicable certification requirements?	No
Are there applicable regulations?	Yes
Details	We need to be in compliance with method with EPA method 1633.
Additional Technical Comments	The Region 9 laboratory is standing up its perfluoroalkyl analytical capabilities. We are aware that contamination is difficult to control for, and so we will put additional scrutiny on the tubing used in this process.

## Volume and Pricing

Estimated potential business volume	1-2 units every 10 years.
Estimated target price / unit cost information (if unavailable explain)	\$15,000/unit

## Delivery Requirements

When is it needed by?	October 25th, 2023.
Describe packaging requirements	Palleted.
Where will this item be shipped?	200 sw 35th street Corvallis, OR, 97333

## Additional Comments

Is there other information you would like to include?